


1550030	<b>DATA SHEET</b>	
valid from: 29.09.2021	<b>NYJ, NYO</b>	

## Application

NYJ, NYO are cables with an insulation and an outer sheathing of PVC. They are used for fixed installation in dry or damp rooms as well as outdoors, underground and under water. Multicore cables have a common core covering over the twisted cores or a filler.

## Design

Design	acc. to VDE 0276-603 rep. HD 603 (for 1 to 5 cores) VDE 0276-627 resp. HD 627 (starting at 7 cores)
Certification	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> )
Conductor	round (R) or sectorial (S), single- (E) or multi-wire (M), RE conductor: strands of copper acc. to IEC 60228 resp. EN 60228, class 1 RM conductor: strands of copper acc. to IEC 60228 resp. EN 60228, class 2 SM conductor: strands of copper acc. to DIN VDE 0276-603
Insulation	PVC compound DIV4 acc. to VDE 0276-603
Core identification code	up to 5 cores: colour coded acc. to VDE 0293-308 from 6 cores: black with white numbers
Outer sheath	PVC compound DMV5 acc. to VDE 0276-603 colour: black

## Electrical properties at 20 °C

Nominal voltage	U <sub>0</sub> /U: 600/1000 V max. 1.8 kV (DC voltage core-ground)
Test voltage	4000 V AC

## Mechanical and thermal properties

Minimum bending radius	single core: 15 x outer diameter multi core: 12 x outer diameter
Temperature range	during installation: -5 °C up to +50 °C max. conductor temperature fixed installation: -40 °C up to +70 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

## General requirements

These cables conform to the EU-Directive 2014/35/EU (Low Voltage Directive).

A part of these cables (see [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

## Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

## Note

Trade product, no Lapp product

Creator: LABU / PDC	Document: DB1550030EN	Page 1 of 1
Released: ALTE / PDC	Version: 08	